

Title (en)

MODIFIED HYDROPHILIC ACRYLIC RESIN FILM

Title (de)

MODIFIZIERTE HYDROPHILE ACRYLHARZFOLIE

Title (fr)

FILM DE RÉSINE ACRYLIQUE HYDROPHILE MODIFIÉE

Publication

EP 2860215 A4 20150812 (EN)

Application

EP 13803809 A 20130606

Priority

- JP 2012133074 A 20120612
- JP 2013065722 W 20130606

Abstract (en)

[origin: EP2860215A1] [Problem] To provide hydrophilic modified acrylic resin films which exhibit excellent antifogging properties and antifouling properties and high transparency. [Solution] A modified acrylic resin film of the invention is obtained by treating a surface of an acrylic resin film having anionic hydrophilic groups with a compound (A), the acrylic resin film being such that the concentration of the anionic hydrophilic groups on the surface is higher than the concentration of the anionic hydrophilic groups at a depth half the film thickness from the surface of the acrylic resin film, the compound (A) having in the molecule thereof one or more anionic hydrophilic groups and one or more groups selected from groups having a polymerizable carbon-carbon double bond, amino groups, mercapto groups and hydroxyl groups.

IPC 8 full level

C08J 7/12 (2006.01); **C08J 7/16** (2006.01); **C08J 7/18** (2006.01)

CPC (source: EP KR US)

C08F 220/382 (2020.02 - KR); **C08F 222/1006** (2013.01 - KR); **C08F 222/102** (2020.02 - KR); **C08F 222/1065** (2020.02 - EP KR US); **C08J 5/18** (2013.01 - EP KR US); **C08J 7/16** (2013.01 - KR); **C08J 7/18** (2013.01 - EP KR US); **C08L 33/14** (2013.01 - KR); **C08F 220/382** (2020.02 - EP US); **C08F 222/102** (2020.02 - EP US); **C08J 2333/08** (2013.01 - EP KR US); **C08J 2335/02** (2013.01 - KR US); **C08L 2201/00** (2013.01 - KR)

Citation (search report)

- [YA] WO 2011126557 A1 20111013 - NANOFILM LTD [US], et al
- [YA] US 2009191373 A1 20090730 - OKAZAKI KOJU [JP], et al
- [A] EP 2256153 A1 20101201 - MITSUI CHEMICALS INC [JP]
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- See references of WO 2013187311A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 13803809 A 20130606; BR 112014031019 A 20130606; CN 201380030594 A 20130606; IN 10572DEN2014 A 20141211; JP 2013065722 W 20130606; JP 2014521294 A 20130606; KR 20147036748 A 20130606; TW 102120671 A 20130611; US 201314407404 A 20130606